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RELIABILITY PREDICTION

Model : PS-45 Data:2000-01-31

Style	**Part Type**	Q'ty	λ_g	π_Q	λ_{eg}	%
9.1	Resistor-Film, Insulated (RL)	6	0.003700	10	0.222000	6.676
9.1	Resistor-Film, Chip (RM)	24	0.003700	10	0.888000	26.702
9.1	Resistor-Wirewound Power (RW)	1	0.008500	10	0.085000	2.556
9.1	Resistor-Film, Variable (RVC)	1	0.040000	10	0.400000	12.028
9.1	Resistor-Thermistor (RTH)	1	0.001400	10	0.014000	0.421
10.1	Capacitor-Metal, Plastic (CH)	4	0.000510	10	0.020400	0.613
10.1	Capacitor-Ceramic(Gen.) (CK)	15	0.001700	10	0.255000	7.668
10.1	Capacitor-Aluminum Dry (CE)	7	0.001300	10	0.091000	2.736
6.1	Diode-Switching	2	0.000940	8	0.015040	0.452
6.1	Diode-Fast Recovery Power Rectifier	2	0.023000	8	0.368000	11.066
6.1	Diode-Power Rectifier / Schottky Power	4	0.002800	8	0.089600	2.694
6.1	Diode-Voltage Ref/Reg. (Avalanche & Zener)	2	0.003300	8	0.052800	1.588
6.10	Diode-Thyristor/SCR	1	0.002500	8	0.020000	0.601
6.4	Transistor-MOSFET	1	0.014000	8	0.112000	3.368
6.11	OPTO-isolator	2	0.027000	8	0.432000	12.990
5.1	Linear Microcircuits	2	0.009500	10	0.190000	5.713
11.1	Transformer Switching	1	0.000610	3	0.001830	0.055
11.2	Coil Fixed inductor or choke	3	0.000032	3	0.000288	0.009
17.1	Single Connections-Reflow solder	208	0.000069	1	0.014352	0.432
17.1	Fuses Clip-Clip Termination	2	0.000120	1	0.000240	0.007
22.1	Fuses	1	0.010000	1	0.010000	0.301
16.1	Plated Through Hole Circuit Boards	1	0.022000	2	0.044000	1.323
Total Failure rate:					3.325550	100%

- **Data Base: MIL-HDBK-217F ,Notice 2, Parts Count**
- **Env.: GB**

MTBF: 300702.14 **hrs**

Approved by: David Wang Compiled by: Kim Tseng .